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CONFIDENTIAL

5 March 1956
7059

50X1

Washington, D. C.

Attention:
Reference: Task VI,

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Dear

The contract authorizing Task VI specifies the date of termination, 17 April 1956. This matter was brought up with you during the recent visit at which time the status of the project was discussed. You will recall that at the time of our discussions the possibility of extending the time limit of the contract was mentioned. You and your associates advised me that a formal time extension would not be required unless additional funds would also be required. It was explained that as the termination date approached, your contract authorities would contact you as the project manager for a decision as to whether or not the contract should be closed in accordance with the specified date.

It will be necessary to extend the time limit of the contract. Considerable delays were experienced in receiving equipments and materials. For reasons beyond our control, many delivery promises were broken by the suppliers and we had to accept the unsatisfactory deliveries. A change in the program involving the use of trailers for two of the station sites contributed as well in causing a delay. Every effort was made to expedite the work, but unfortunately an appreciable delay resulted. This change was accepted and although there was some appreciable additional expense, as a result of this work, no request was made for additional funds. As a matter of fact, every effort was made to complete the new work this change involved without requiring additional time. However, in this we have not been too successful, and the delay caused by this change in the program is more serious than at first considered. Additional tests were initiated involving vertical antennas. These, too, were considered possible without requiring additional time, but in this we were mistaken because the suppliers again failed to meet their delivery promise by more than six weeks!

Lastly, an increase of activity in the originally assigned frequency bands caused so much interference that it has been found necessary to find new frequencies. Originally, the selected frequencies were fairly clear of interference as determined from the results of a search. New frequencies

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must be definitely authorized. At that time crystals must be ordered and the transmitters modified to operate within the new bands. This work will take about 2 weeks time. There has already been a three weeks delay because of the frequency change found necessary. Thus, a total of at least 5 weeks further delay is involved because of the frequency change.

The erection of the antenna towers will require a minimum of 8 days but in actual practice will be somewhat longer. These are already under construction at our field station, but nothing, of course, has been started at the other sites. This is a part of the job you will handle as we have no access to these sites. Following adjustment of the transmitters, we must make the final equipment time delay measurements. The technique has been established, but the accurate measurements cannot be made until we have the equipments all properly and accurately adjusted to the authorized frequencies. It is not believed that the actual system can be installed and made ready for testing until about 15 April 1956.

It is requested because of the unavoidable delays as described herein that the contract be extended from 17 April 1956 to 18 June 1956. It would be deeply appreciated if this matter would kindly receive your prompt attention.

I recall as mentioned previously herein that an extension of time is, if I understood your remarks properly, dependent upon your recommendations as project manager to your contracting officer. Would you please advise me at your earliest opportunity regarding your decision in this matter.

With kind regards.

Sincerely yours,

[redacted]

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CONFIDENTIAL

2 March 1956
7045

50X1

Washington, D. C.

Attention: 50X1
Reference: Task VI, 50X1

Dear 50X1

We received advice verbally that 2065 kc is tentatively selected as the master transmitting frequency to be received at the slave station at the field station and 2615 kc to be the frequency to be transmitted from this slave station. 50X1

We will delay ordering necessary crystals as well as delay making the modifications to the transmitters until we are notified as to the additional frequencies to be used. Most important is it, of course, that we be advised that these frequencies are definitely selected and their use authorized by the controlling agency.

In the meantime, we have been maintaining a careful surveillance on the band 2035 - 2095 kc and only at 2038 and 2090 have we found any appreciable activity. The frequency 2065 kc appears to be quite clear, and as the band 2045 - 2085 kc is also clear, this frequency we believe will be satisfactory providing the conditions now existing continue.

A check has been made on the expected propagation, using the "E" layer. For the present, under the conditions as predicted, the CWF-E layer propagation for the path to the master for daylight operation is from 1.9 mc to a maximum of 3.8 mc, back down to 2.0 mc. The LUHF for this path with the power output of the Viking is 1.7 mc. 50X1

These figures indicate that we should expect reasonable operations using the frequencies tentatively considered.

With kind regards.

Sincerely yours,

50X1

NS:ar

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CC: Orig. & 1

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